

ABSTRACT OF THE DISCLOSURE

0907903-071904
T06T20-0062060

Provided is an anisotropic scattering film comprising a micro-porous film and a substance in micro pores of said micro-porous film, wherein the micro pores observed on the surface of the film are substantially in the form of ellipse, the ratio of the major axis to the minor axis (major axis/minor axis) of said ellipse is over 1, the minor axis size of the micro pores is smaller than the wavelength of light, the directions of micro pores along the major axis are oriented to substantially one direction, the refractive index of the substance in micro pores of the micro-porous film differs from the refractive index of the micro-porous film, and the anisotropic scattering film has scattering anisotropy to a polarizing component of a polarized light.

The anisotropic scattering film has high transmittance and excellent scattering property, and a liquid crystal display having high luminance can be obtained by using the anisotropic scattering film.